

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-10. (Canceled)

11. (Currently Amended) A hollow fiber fluid separation module comprising:
an inlet for an inlet feed flow, an outlet for an exit flow;
an access port for a permeate flow, a discharge port for the permeate flow;
a module axis and a plurality of hollow fibers;
each of the hollow fibers extending from the inlet to the outlet and comprising an interior communicating with the inlet at one end of each hollow fiber and with the outlet at the other end of each hollow fiber, with the hollow fibers being wound in multiple layers to form a hollow cylindrical coil;
each layer being defined on its inner side by an imaginary cylinder and having a number of hollow fibers helically wound on the cylinder with a helix angle α ;
the hollow fibers being in a clearance relationship with each other and equally spaced on the cylinder, with one layer differing from a neighboring layer by the fact that all the fibers of the one layer are inclined at the wind angle plus α whereas all the fibers of the neighboring layer are at the wind angle minus α ; and
each hollow fiber being wrapped 360° disposed at least once around the associated circumference of the cylinder, wherein each fiber is laid down during winding with and having a tensile strain of at least 10g to frictionally maintain the fibers around the cylinder and sufficiently hold the fibers against the crosswise disposed fibers lying underneath without noticeably restricting the respective inner cross sections of the fibers even though the fibers are deformed at the respective intersections high enough for the fiber to be frictionally held in the best possible manner to the crosswise disposed fibers lying underneath and low enough for the hollow fibers not to have their inner cross section noticeably restricted even though they are deformed at the intersections and for all of the hollow fibers to be applied with the same tensile strain.

12. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein the first, lowermost layer is located on a tube that forms the imaginary cylinder of the layer.

13. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein the access port comprises at least one axial bore that is formed in the tube.

14. (Currently Amended) The hollow fiber fluid separation module as set forth in claim 11, wherein the wind angle α ranges between about 15° and about 75°.

15. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein the distance (a) between two hollow fibers of one layer ranges between onefold and tenfold the inner radius of the hollow fibers.

16. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein all of the fibers have the same length.

17. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein all of the fibers are built according to the same design principle.

18. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein the tensile strain is selected such that the free inner cross section of the hollow fiber at the intersections is more than 90 % of the inner cross section of the hollow fiber outside of the intersections.

19. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein the outermost layer of the winding is enclosed by a shell that tightly surrounds the outermost layer and comprises access or exit means for permeate flow.

20. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 11, wherein the module is obtained from a preform by cutting the preform along the sectioning planes and that the preform comprises an axially quite long winding and has an axial length that is greater than the length of a plurality of modules.

21. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 18, wherein the tensile strain is selected such that the free inner cross section of the hollow fiber at the intersections is more than 95 % of the inner cross section of the hollow fiber outside of the intersections.

22. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 21, wherein the tensile strain is selected such that the free inner cross section of the hollow fiber at the intersections is more than 98 % of the inner cross section of the hollow fiber outside of the intersections.

23. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 19, wherein the outermost layer of the winding is enclosed by a shell that tightly surrounds the outermost layer and comprises access or exit means for circulation gas.

24. (Currently Amended) The hollow fiber fluid separation module as set forth in claim 14, wherein the wind angle α ranges between about 20° and about 70°.

25. (Previously Presented) The hollow fiber fluid separation module as set forth in claim 24, wherein the wind angle α is about 45°.

26. (New) The hollow fiber fluid separation module as set forth in claim 19, further comprising at least one of (i) at least one ring and (ii) at least one mechanical clamp, disposed over the windings along the coil to further stabilize the windings.